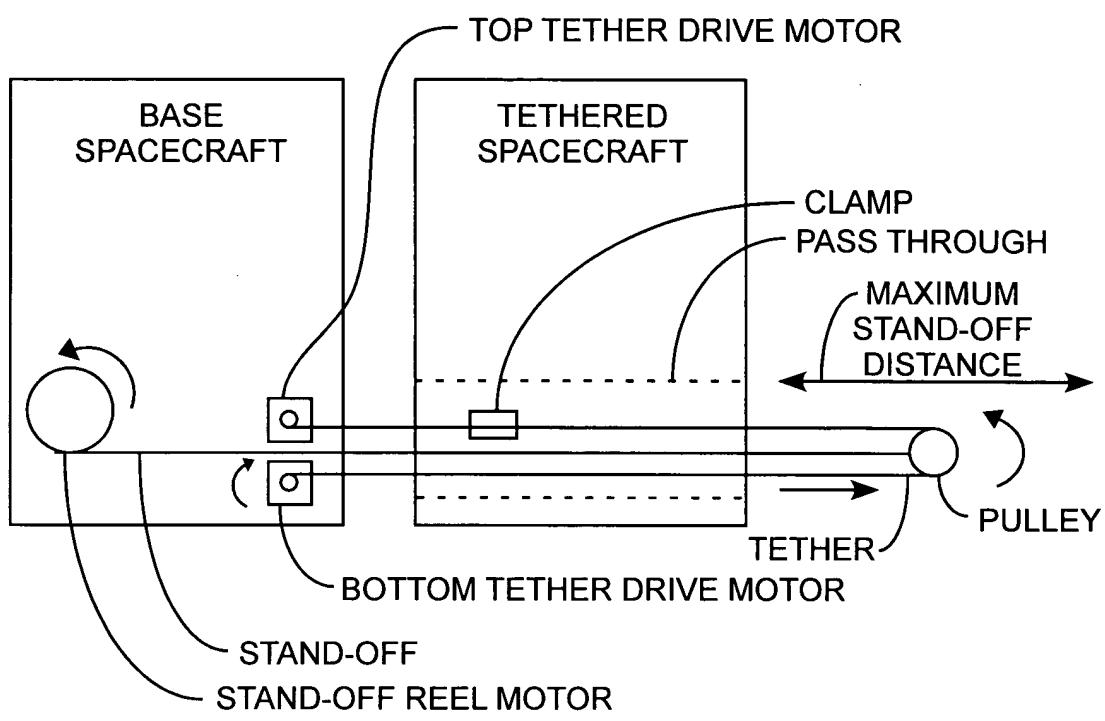
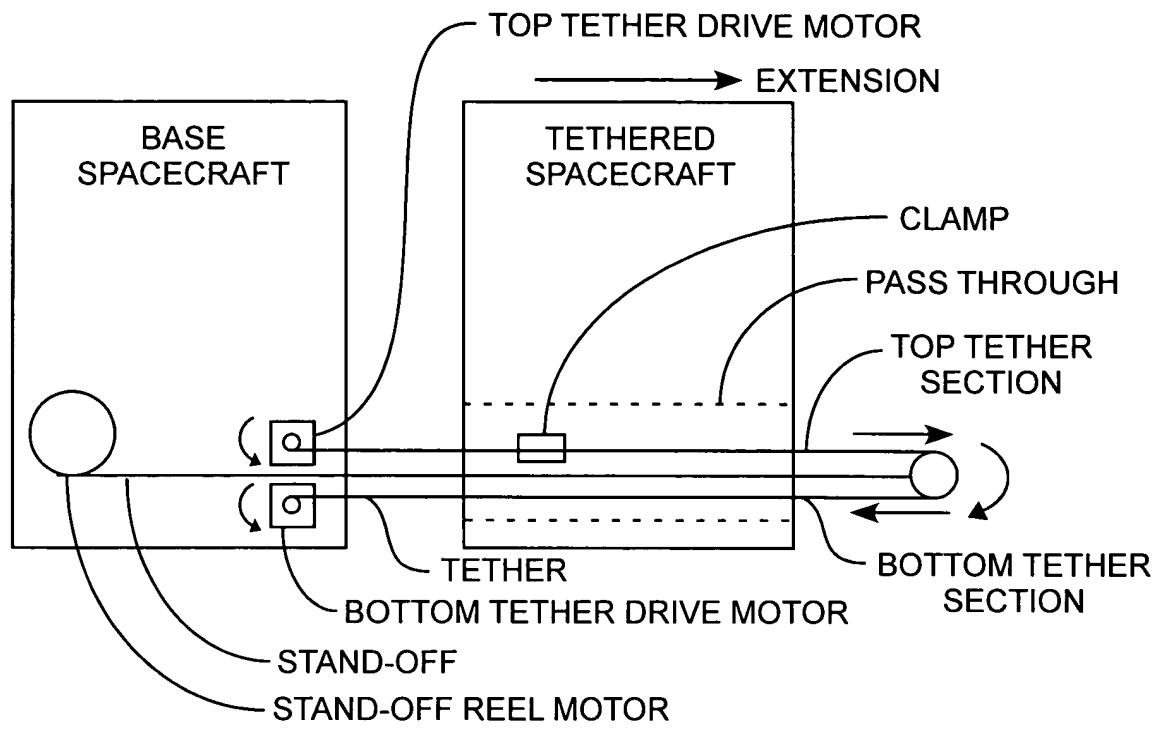


FIG. 1



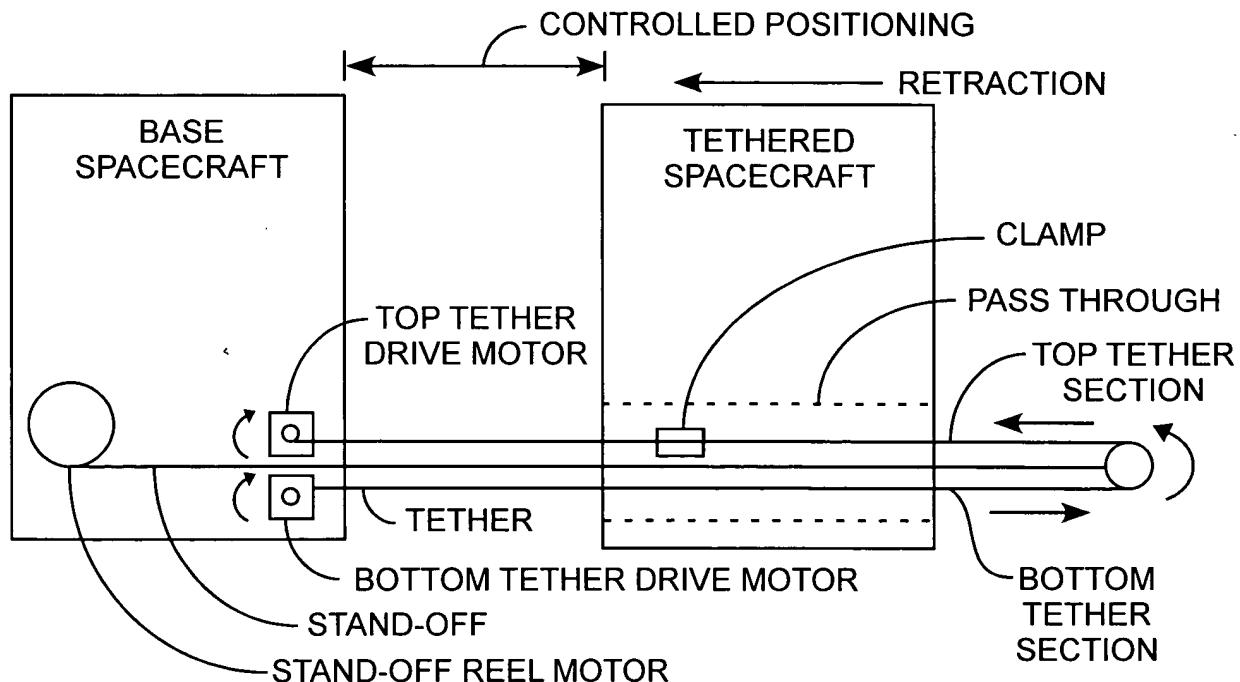
BASE SPACECRAFT AND TETHERED  
SPACECRAFT WITH EXTENDED STAND-OFF

FIG. 2



TETHERED SPACECRAFT EXTENDED POSITIONING

FIG. 3A



TETHERED SPACECRAFT RETRACTED POSITIONING

FIG. 3B